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-	27	5845281.URPN.	USPAT	2004/08/17 18:32
-	9	("4919545" "5023907" "5103476" "5222134" "5235642" "5319705" "5321841" "5375240" "5400403").PN.	USPAT	2004/08/17 18:32
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1 Defining and applying measures of distance between specifications

Jilani, L.L.; Desharnais, J.; Milli, A.;

Software Engineering, IEEE Transactions on , Volume: 27 , Issue: 8 , Aug. 2001

Pages:673 - 703

[\[Abstract\]](#) [\[PDF Full-Text \(516 KB\)\]](#) IEEE JNL

2 The benchmarking process: one team's experience

Fogle, S.; Loulis, C.; Neuendorf, B.;

Software, IEEE , Volume: 18 , Issue: 5 , Sept.-Oct. 2001

Pages:40 - 47

[\[Abstract\]](#) [\[PDF Full-Text \(144 KB\)\]](#) IEEE JNL

3 TADEUS: seamless development of task-based and user-oriented interfaces

Stary, C.;

Systems, Man and Cybernetics, Part A, IEEE Transactions on , Volume: 30 , Issue: 5 , Sept. 2000

Pages:509 - 525

[\[Abstract\]](#) [\[PDF Full-Text \(448 KB\)\]](#) IEEE JNL

4 Knowledge management and the internet

Dieng, R.;

Intelligent Systems, IEEE [see also IEEE Expert] , Volume: 15 , Issue: 3 , May-June 2000

Pages:14 - 17

[\[Abstract\]](#) [\[PDF Full-Text \(332 KB\)\]](#) IEEE JNL

5 CoID SPA: a tool for collaborative process model development

Lee, J.D.; Hickey, A.M.; Dongsong Zhang; Santanen, E.; Lina Zhou;

System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on , 4-7 Jan. 2000

Pages:10 pp. vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(180 KB\)\]](#) IEEE CNF

6 Knowledge management and mobility in a semi-virtual organization: lessons learned from

the case of Telia Nara*Lindgren, R.; Wibert, M.;*

System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on , 4-7 Jan. 2000

Pages:10 pp.

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7 Data is more than knowledge: implications of the reversed knowledge hierarchy for knowledge management and organizational memory*Tuomi, I.;*

System Sciences, 1999. HICSS-32. Proceedings of the 32nd Annual Hawaii International Conference on , Volume: Track1 , 5-8 Jan. 1999

Pages:12 pp.

[\[Abstract\]](#) [\[PDF Full-Text \(100 KB\)\]](#) [IEEE CNF](#)

8 Distributed multimedia systems*Li, V.O.K.; Wanjiun Liao;*

Proceedings of the IEEE , Volume: 85 , Issue: 7 , July 1997

Pages:1063 - 1108

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[Repositories for Software Reuse: The Software.. - Constantopoulos, Doerr, ... \(1993\) \(Correct\) \(5 citations\)](#)
are also candidates for reuse. Software **artifacts** are stored in a **repository** which supports their designs requirements specifications, development **processes**, and decision experiences are also candidates selecting the appropriate object(s) for reuse. **Library** cataloguing (e.g.mathematical libraries - www.ics.forth.gr/proj/isst/Publications/paperlink/Reposit_for_soft_reuse_SIB.ps.gz

[Software Reuse and Reusability Metrics and Models - Frakes, Terry \(1996\) \(Correct\) \(3 citations\)](#)
Software reuse, the use of existing software **artifacts** or knowledge to create new software, is a key project. Modification refers to how much a reusable **asset** is changed. Approach refers to different Projects In addition to these lifecycle products, **processes** (such as the waterfall model of software dii-sw.ncr.disa.mil/reuseic/guidelines/metrics.ps

[Supporting Distributed Configuration Management in Virtual.. - Noll, Scacchi \(1997\) \(Correct\) \(1 citation\)](#)
still need to create, access, or update software **artifacts** common to the development effort. These existing CM tools and environments, executing CM **processes** to coordinate development activities across www.usc.edu/dept/ATRIUM/Papers/DHT-SCM7.ps

[Constraint-Based Retrieval of Engineering Design Cases: Context .. - Bilgic, Fox \(1996\) \(Correct\) \(1 citation\)](#)
skills to come up with a properly functioning **artifact** that complies with a set of requirements - The characterization of the retrieval **process** yields a robust compliance measure and a to dynamically retrieve relevant cases from a case **library**, and how cases in the **library** should be www.ie.utoronto.ca/EIL/public/aid96.ps

[A Reuse-Based Approach to Determining Security Requirements - Sindre, Firesmith, Opdahl \(Correct\) 26\]](#)
Development for reuse, where reusable **artifacts** are developed and made available for future with reuse involves identifying security **assets**, setting security goals for each **asset**, of security requirements. There are two key **processes** in reuse-oriented development [25, 26] crinfo.univ-paris1.fr/REFSQ/03/papers/P13-Sindre.pdf

[Development/Maintenance/Reuse- Software Evolution in.. - Prof Stephen Schach \(Correct\)](#)
reuse Glass-box reuse COTS Reusable **artifacts** Documents Class specifications -Design Reusable **artifacts** transfer between products An **asset repository** may be utilized to manage all reusable (1)IEEE 610.12 (1990) Definition: The **process** of modifying a software system or component www.haifa.il.ibm.com/info/ple/present/SMR_for_IBM.pdf

[Uncertainty Aspects in Component Retrieval - Mittermeir, Mili, Mili.. \(1998\) \(Correct\)](#)
process. One from the desired service to the **artifact (asset)** that promises to provide this service attempts to describe the semantics of software **assets**. Based on these considerations, we discuss that there is essentially a twofold abstraction **process**. One from the desired service to the **artifact** www.ifi.uni-klu.ac.at/ISYS/RM/Staff/Heinz.Pozewaunig/Publications/pubfiles/psfiles/1998-0010-MPMM.ps

[National HPCC Software Exchange - Browne, Dongarra, Green, Moore.. \(1995\) \(Correct\)](#)
Ken Kennedy, Jim Pool, Rick Stevens, Bob Olsen, and Terry Disz, The National HPCC Software Exchange" 62-69, 1995, Project Web page at www.nhse.org/National HPCC Software Exchange Shirley Browne,

hpc220-4.etl.go.jp/mirrors/netlib/utk/people/JackDongarra/pdf/srwn08.pdf

The Metaview System - Edited By (Correct)

in the software **repository** and describes the **artifacts** of a software project, is called software structure of these changes is called software **process**. A software **process** can be seen as a set of (8]Metaview Software Utilities Software **Library Library** specification information Method Editors menaik.cs.ualberta.ca/pub/Metaview/system.ps.gz

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¹ [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren
November 1997**Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

² [Reusable software components](#)

Trudy Levine
July 1996**ACM SIGAda Ada Letters**, Volume XVI Issue 4

Full text available: pdf(2.45 MB)

Additional Information: [full citation](#), [index terms](#)

³ [The software information base: a server for reuse](#)

Panos Constantopoulos, Matthias Jarke, John Mylopoulos, Yannis Vassiliou
January 1995**The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 4 Issue 1

Full text available: pdf(1.87 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We present an experimental software repository system that provides organization, storage, management, and access facilities for reusable software components. The system, intended as part of an applications development environment, supports the representation of information about requirements, designs and implementations of software, and offers facilities for visual presentation of the software objects. This article details the features and architecture of the repository system, the technical ch ...

Keywords: conceptual modeling, information storage and retrieval, object-oriented databases, reuse, software engineering

⁴ [An integrated approach to software reuse practice](#)

E. Mambella, R. Ferrari, F. D. Carli, A. L. Surdo
August 1995**ACM SIGSOFT Software Engineering Notes**, **Proceedings of the 1995 Symposium on Software reusability**, Volume 20 Issue S1

Full text available: pdf(1.01 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Since 1993, Sodalía's Software Engineers have been studying a reuse program whose goal is making software reuse a significant and systematic part of the software process. The Sodalía's Corporate Reuse Program is intended to develop a Software Reuse Process that incorporates reuse-specific activities along the Object-Oriented Software Development Process, and a reuse library to support the classification and management of reusable components. This paper focuses on the on-going expe ...

⁵ [CASE at the start of the 1990's](#)

Ronald J. Norman, Wayne Stevens, Elliot J. Chikofsky, John Jenkins, Burt L. Rubenstein, Gene Forte
May 1991**Proceedings of the 13th international conference on Software engineering**

Full text available: pdf(1.05 MB)

Additional Information: [full citation](#), [citations](#)

6 Intelligence systems: a sociotechnical systems perspective

James A. Sena, A. B. (Rami) Shani

April 1999

Proceedings of the 1999 ACM SIGCPR conference on Computer personnel researchFull text available:  pdf(958.57 KB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** communities of practice, data warehouses, intelligent systems, knowledge management, sociotechnical systems, transaction processing**7** Process modeling

Bill Curtis, Marc I. Kellner, Jim Over

September 1992

Communications of the ACM, Volume 35 Issue 9Full text available:  pdf(3.56 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**Keywords:** analysis, modeling**8** Evolutionary design of complex software (EDCS) demonstration days 1999

Wayne Stidolph

January 2000

ACM SIGSOFT Software Engineering Notes, Volume 25 Issue 1Full text available:  pdf(1.99 MB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

This report summarizes the Product/Technology demonstrations given at Defense Advanced Research Projects Agency (DARPA) Evolutionary Design of Complex Software (EDCS) Program Demonstration Days, held 28-29 June 1999 at the Sheraton National Hotel, Arlington, VA.

9 An integrated information system on the Web for catchment management

Kenny Taylor, Mark Cameron, Jason Haines

November 1998

Proceedings of the sixth ACM international symposium on Advances in geographic information systemsFull text available:  pdf(730.11 KB)Additional Information: [full citation](#), [references](#), [index terms](#)**10** Understanding object-oriented: a unifying paradigm

Tim Korson, John D. McGregor

September 1990

Communications of the ACM, Volume 33 Issue 9Full text available:  pdf(2.30 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The need to develop and maintain large complex software systems in a competitive and dynamic environment has driven interest in new approaches to software design and development. The problems with the classical waterfall model have been cataloged in almost every software engineering text [19,23]. In response, alternative models such as the spiral [2], and fountain [9] have been proposed. Problems with traditional development using the classical life cycle include no iteration, no ...

11 Software architecture: a roadmap

David Garlan

May 2000

Proceedings of the conference on The future of Software engineeringFull text available:  pdf(1.04 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** software architecture, software design, software engineering

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